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REASONS TO CHOOSE

POWERMAX85 SYNC[®] PLASMA CUTTER

When it comes to cutting metal there are two widely used thermal processes, oxyfuel and air plasma.

Hypertherm's Powermax SYNC[®] air plasma systems feature a revolutionary cartridge consumable platform and automated process set-up, providing many advantages and making it the smarter choice for a variety of cutting situations.

1 | Easier to use



Single-piece, colour coded cartridge consumable simplifies inventory and reduces operator errors and training time.

2 | Automated process set-up



Advanced torch communication sets correct amperage and operating mode, eliminating setup errors.

3 | Reduces downtime



Convenient controls on the new SmartSYNC[®] torch make it easy to adjust your amperage and change consumables without returning to the power supply.

4 | Cutting performance data



Available cartridge reader pairs with Powermax SYNC smartphone app to track and analyse utilisation data such as starts, transfers, and arc-on time.

5 | Better cutting quality



Plasma cuts have less dross, less warping, and a smaller heat-affected zone than with oxyfuel. With Powermax SYNC[®] and its cartridge consumables, components wear at the same rate, improving cut quality.

6 | Cuts more parts faster



With significantly faster cut speeds, Powermax SYNC plasma outperforms oxyfuel even before you consider oxyfuel's necessary preheat time and secondary operations.

7 | Increase productivity



With operating costs spread over more parts per hour, and less time spent on secondary operations, you have a lower cost-per-part, resulting in increased profitability.

8 | Maximises flexibility



Unlike oxyfuel, Powermax SYNC can cut non-ferrous metals like aluminium, stainless, copper, and any other conductive metals either by hand, with a track or pipe cutter, or on an X-Y table. It can also cut stacked metal, metal grate, and even rusty or painted pieces.

9 | Uses only air for improved safety



No flammable gases required. With Powermax SYNC systems, compressed air is the only gas you need. The most popular fuel gas for oxyfuel is acetylene, a highly flammable and unstable gas.

10 | Improved reliability



Powermax[®] plasma systems are renowned for their robustness, and are designed for use in rugged, industrial environments. The next-generation Powermax SYNC features additional SpringStart[™] technology that ensures consistent starts and increased torch reliability.